

Press Release

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Giant leap forward in floating wind: Siemens Gamesa lands the world's largest project, the first to power oil and gas offshore platforms

- The world's largest floating offshore wind power plant, Hywind Tampen, will be located in Norway, with a total capacity of 88 MW and equipped with 11 SG 8.0-167 DD turbines
- By reducing the use of gas turbines on the fields, the project helps cut CO₂ emissions by more than 200,000 tonnes per year
- Strong collaboration between Siemens Gamesa and Norwegian company Equinor has made it possible to unlock new offshore areas and develop this innovative power generation solution

The world's largest floating wind power plant will be installed in Norway, equipped with 11 Siemens Gamesa SG 8.0-167 DD turbines. Scheduled to be commissioned in late 2022, Hywind Tampen will be the first ever floating wind power plant to power offshore oil and gas platforms.

"We are pleased to have received the firm order from Equinor to be the supplier of this ground-breaking project. Thanks to our strong collaboration and joint focus on innovation, we are now at the forefront of developing this exciting technology and unlocking the vast potential for floating offshore wind power," highlighted Andreas Nauen, CEO of the Siemens Gamesa Offshore Business Unit.

Hywind Tampen will have a total capacity of 88 MW and be located some 140 kilometers from shore in an area with water depths of 260-300 meters between the Snorre and Gullfaks oil and gas platforms. Specifically, this wind power plant will be capable of meeting about 35 percent of the annual power demand of the Snorre and Gullfaks platforms.

By reducing the use of gas turbines on the fields, the project helps cut CO₂ emissions by more than 200,000 tons per year, equivalent to the annual emissions from 100,000 passenger cars.

The floating foundations in the Hywind Tampen project are ballast-stabilized and anchored to the seabed with mooring lines. With their lightweight nacelles, Siemens Gamesa large direct drive wind turbines are particularly suited for floating foundations.

The innovative partnership between Siemens Gamesa and Equinor dates back to 2009, when the world's first full-scale floating wind turbine project, Hywind Demo, was successfully installed in Norway. This initiative was followed in 2017 by the 30 MW Hywind Scotland floating wind power plant, currently the world's largest, installed at water depths between 90 and 120 meters. Hywind Scotland is a hugely successful project which has world-class safety performance and the highest capacity factor of any offshore wind farm in the UK. The Hywind Tampen project continues this partnership, bringing industrial-scale floating wind a giant leap forward.

Offshore wind already has a strong foothold in Europe with close to 18.5 GW installed capacity, and global potential to reach more than 100 GW by 2030. Of this, floating offshore wind is estimated to constitute 10% of the market, potentially powering 12 million homes in 2030.

About Siemens Gamesa Renewable Energy

Siemens Gamesa is a global leader in the wind power industry, with a strong presence in offshore, onshore and services. Through its advanced digital capabilities, the company offers one of the broadest product portfolios in the industry as well as industry-leading service solutions, helping to make clean energy more affordable and reliable. With over 95 GW installed worldwide, Siemens Gamesa manufactures, installs and maintains wind turbines, both onshore and offshore. Its backlog stands at €25.1 billion. The company is headquartered in Spain and listed on the Spanish stock exchange (included in the Ibex-35 index).

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